

EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	225	(73/864.41 73/865.8 73/866 73/866.4).ccls.	US-PGPUB	OR	ON	2006/08/16 15:52
L2	1170	(73/864.41 73/865.8 73/866 73/866.4).ccls.	USPAT	OR	ON	2006/08/16 15:53
L3	6	(73/864.41 73/865.8 73/866 73/866.4).ccls.	FPRS	OR	ON	2006/08/16 15:58
L4	6	(SU-1285112-\$ SU-1283625-\$ SU-1283607-\$ SU-1283600-\$ SU-1283593-\$ SU-1281971-\$).did.	DERWENT	OR	ON	2006/08/16 15:58
L5	6	(73/864.41 73/865.8 73/866 73/866.4).ccls.	FPRS	OR	ON	2006/08/16 15:59
L6	4	83/919.ccls.	US-PGPUB	OR	ON	2006/08/16 16:02
L7	0	83/919.ccls.	FPRS	OR	ON	2006/08/16 16:03
L8	0	83/919.ccls.	EPO	OR	ON	2006/08/16 16:03
L9	0	83/919.ccls.	JPO	OR	ON	2006/08/16 16:03
L10	55	83/919.ccls.	USPAT	OR	ON	2006/08/16 16:19
L11	0	((peel or peeled or peeling or peeler) with (fused or fusion or fusion-bonded or fusion-bond or fused-bond or weld or welded or fusion-weld or fusion-welded or fused-weld or fuse-welded or fuse-bonded or fuse-bond or fusionbonded or fusionbond or fusedbond or fusionweld or fusionwelded or fusedweld or fusewelded or fusebonded or fusebond or packaging or package or packaged) with (sample or sampled or sampler or sampling or specimen)) and ((cut or cutted or cutting or cutter) near10 (sample or sampled or sampler or sampling or specimen or subsample or sub-sample or subsampled or sub-sampled or subsampler or sub-sampler or subsampling or sub-sampling or subspecimen or sub-specimen))	IBM_TDB	OR	ON	2006/08/16 16:31

EAST Search History

L12	14	((peel or peeled or peeling or peeler) with (fused or fusion or fusion-bonded or fusion-bond or fused-bond or weld or welded or fusion-weld or fusion-welded or fused-weld or fuse-welded or fuse-bonded or fuse-bond or fusionbonded or fusionbond or fusedbond or fusionweld or fusionwelded or fusedweld or fusewelded or fusebonded or fusebond or packaging or package or packaged) with (sample or sampled or sampler or sampling or specimen)) and ((cut or cutted or cutting or cutter) near10 (sample or sampled or sampler or sampling or specimen or subsample or sub-sample or subsampled or sub-sampled or subsampler or sub-sampler or subsampling or sub-sampling or subspecimen or sub-specimen))	US-PGPUB	OR	ON	2006/08/16 16:47
L13	0	((peel or peeled or peeling or peeler) with (fused or fusion or fusion-bonded or fusion-bond or fused-bond or weld or welded or fusion-weld or fusion-welded or fused-weld or fuse-welded or fuse-bonded or fuse-bond or fusionbonded or fusionbond or fusedbond or fusionweld or fusionwelded or fusedweld or fusewelded or fusebonded or fusebond or packaging or package or packaged) with (sample or sampled or sampler or sampling or specimen)) and ((cut or cutted or cutting or cutter) near10 (sample or sampled or sampler or sampling or specimen or subsample or sub-sample or subsampled or sub-sampled or subsampler or sub-sampler or subsampling or sub-sampling or subspecimen or sub-specimen))	FPRS	OR	ON	2006/08/16 16:47

EAST Search History

L14	3	((peel or peeled or peeling or peeler) with (fused or fusion or fusion-bonded or fusion-bond or fused-bond or weld or welded or fusion-weld or fusion-welded or fused-weld or fuse-welded or fuse-bonded or fuse-bond or fusionbonded or fusionbond or fusedbond or fusionweld or fusionwelded or fusedweld or fusewelded or fusebonded or fusebond or packaging or package or packaged) with (sample or sampled or sampler or sampling or specimen)) and ((cut or cutted or cutting or cutter) near10 (sample or sampled or sampler or sampling or specimen or subsample or sub-sample or subsampled or sub-sampled or subsampler or sub-sampler or subsampling or sub-sampling or subspecimen or sub-specimen))	EPO	OR	ON	2006/08/16 16:49
L15	1	((peel or peeled or peeling or peeler) with (fused or fusion or fusion-bonded or fusion-bond or fused-bond or weld or welded or fusion-weld or fusion-welded or fused-weld or fuse-welded or fuse-bonded or fuse-bond or fusionbonded or fusionbond or fusedbond or fusionweld or fusionwelded or fusedweld or fusewelded or fusebonded or fusebond or packaging or package or packaged) with (sample or sampled or sampler or sampling or specimen)) and ((cut or cutted or cutting or cutter) near10 (sample or sampled or sampler or sampling or specimen or subsample or sub-sample or subsampled or sub-sampled or subsampler or sub-sampler or subsampling or sub-sampling or subspecimen or sub-specimen))	JPO	OR	ON	2006/08/16 16:51

EAST Search History

L16	1	((peel or peeled or peeling or peeler) with (fused or fusion or fusion-bonded or fusion-bond or fused-bond or weld or welded or fusion-weld or fusion-welded or fused-weld or fuse-welded or fuse-bonded or fuse-bond or fusionbonded or fusionbond or fusedbond or fusionweld or fusionwelded or fusedweld or fusewelded or fusebonded or fusebond or packaging or package or packaged) with (sample or sampled or sampler or sampling or specimen)) and ((cut or cutted or cutting or cutter) near10 (sample or sampled or sampler or sampling or specimen or subsample or sub-sample or subsampled or sub-sampled or subsampler or sub-sampler or subsampling or sub-sampling or subspecimen or sub-specimen))	DERWENT	OR	ON	2006/08/16 16:53
L17	1	2004-389913.NRAN.	DERWENT	OR	ON	2006/08/16 16:53
L19	3	((peel or peeled or peeling or peeler) with (fused or fusion or fusion-bonded or fusion-bond or fused-bond or weld or welded or fusion-weld or fusion-welded or fused-weld or fuse-welded or fuse-bonded or fuse-bond or fusionbonded or fusionbond or fusedbond or fusionweld or fusionwelded or fusedweld or fusewelded or fusebonded or fusebond or packaging or package or packaged) with (sample or sampled or sampler or sampling or specimen)) and ((cut or cutted or cutting or cutter) near10 (sample or sampled or sampler or sampling or specimen or subsample or sub-sample or subsampled or sub-sampled or subsampler or sub-sampler or subsampling or sub-sampling or subspecimen or sub-specimen))	USOCR	OR	ON	2006/08/16 16:55

EAST Search History

L20	24	((peel or peeled or peeling or peeler) with (fused or fusion or fusion-bonded or fusion-bond or fused-bond or weld or welded or fusion-weld or fusion-welded or fused-weld or fuse-welded or fuse-bonded or fuse-bond or fusionbonded or fusionbond or fusedbond or fusionweld or fusionwelded or fusedweld or fusewelded or fusebonded or fusebond or packaging or package or packaged) with (sample or sampled or sampler or sampling or specimen)) and ((cut or cutted or cutting or cutter) near10 (sample or sampled or sampler or sampling or specimen or subsample or sub-sample or subsampled or sub-sampled or subsampler or sub-sampler or subsampling or sub-sampling or subspecimen or sub-specimen))	USPAT	OR	ON	2006/08/16 16:55
L21	5	("4984409" "4382513" "4447494" "538332" "5526705" "5582344").pn.	USPAT	OR	ON	2006/08/16 17:21
L23	1	de-3920484-\$.did.	DERWENT	OR	ON	2006/08/16 17:24
L24	10	(jp-08310516-\$.did. jp-2002202277-\$ jp-06099951-\$ jp-63035507-\$ jp-08278240-\$ jp-05039047-\$.did.	JPO; DERWENT	OR	ON	2006/08/16 17:33
L25	0	(jp-63000218-\$.did.	JPO; DERWENT	OR	ON	2006/08/16 17:34
L26	2	(jp-01107506-\$.did.	JPO; DERWENT	OR	ON	2006/08/16 17:36
L27	0	jp-93039047-\$.did.	DERWENT	OR	ON	2006/08/16 17:39
L28	1	jp-88000218-\$.did.	DERWENT	OR	ON	2006/08/16 18:18
L29	0	jp-89107506-\$.did.	DERWENT	OR	ON	2006/08/16 17:43
L30	0	jp-60193818-\$.did.	JPO; DERWENT	OR	ON	2006/08/16 17:44
L31	0	jp-88035507-\$.did.	DERWENT	OR	ON	2006/08/16 17:46
L32	0	jp-85193818-\$.did.	DERWENT	OR	ON	2006/08/16 17:46
L33	1	"7015700".pn.	USPAT	OR	ON	2006/08/16 18:15

EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L2	1	1982-70439E.NRAN.	DERWENT	OR	ON	2006/08/16 18:55
S28	1	jp-88000218-\$.did.	DERWENT	OR	ON	2006/08/16 18:18

PAT-NO: JP408310516A

DOCUMENT-IDENTIFIER: **JP 08310516 A**

TITLE: NONDESTRUCTIVE INSPECTION OF
PACKAGING SEAL

PUBN-DATE: November 26, 1996

INVENTOR-INFORMATION:
NAME
YAN, PAPIINA

ASSIGNEE-INFORMATION:
NAME
COUNTRY
NIPPON TETRAPACK KK N/A

APPL-NO: JP07141212

APPL-DATE: May 15, 1995

INT-CL (IPC): B65B057/02, B65B009/08

ABSTRACT:

PURPOSE: To provide a method for nondestructive inspection of a packaging seal to check the seal of a container containing a liquid in a nondestructive manner.

CONSTITUTION: To a sealed part 11 of a liquid food container 10 made by forming a packaging material web into a box and sealed at a specified part an ultrasonic signal US at a specified level is transmitted from a probe 13 and the ultrasonic signal US which has passed through the sealed part 11 is received by the probe 13. By processing the received ultrasonic signal US a defect in the sealed part 11 is detected.

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DERWENT-ACC-NO: 1997-061340

DERWENT-WEEK: 199706

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TITLE: Non-destructive package
sealing examination method for
liquid foodstuff e.g. juice
and milk containers - by
transmitting ultrasonic
signals from probe to sealing
part of container packing

PATENT-ASSIGNEE: NIPPON TETRAPAK KK[TETR]

PRIORITY-DATA: 1995JP-0141212 (May 15, 1995)

PATENT-FAMILY:

PUB-NO	PAGES	PUB-DATE
LANGUAGE		MAIN-IPC
<u>JP 08310516 A</u>		November 26, 1996
N/A	006	B65B 057/02

APPLICATION-DATA:

PUB-NO	APPL-DESCRIPTOR	APPL-NO
	APPL-DATE	
JP 08310516A	N/A	
1995JP-0141212	May 15, 1995	

INT-CL (IPC): B65B009/08, B65B057/02

ABSTRACTED-PUB-NO: JP 08310516A

BASIC-ABSTRACT:

The method involves using a probe (13) to transmit ultrasonic signals (US) to a sealing part (11) of a liquid foodstuff filling container (10).

The ultrasonic signals passed through the sealing part detects the defects of the sealing part by processing the ultrasonic signals.

ADVANTAGE - Reduces number of defective parts.
Enables automatic inspection.

CHOSEN-DRAWING: Dwg.1/7

DERWENT-CLASS: Q31

PAT-NO: JP406099951A

DOCUMENT-IDENTIFIER: **JP 06099951 A**

TITLE: DEVICE FOR DETECTING
DEFECTIVELY BONDED PACKING

PUBN-DATE: April 12, 1994

INVENTOR-INFORMATION:

NAME

AOYANAGI, NOBUMASA

HAGITA, HIDENARI

ASSIGNEE-INFORMATION:

NAME

COUNTRY

KANEBO LTD

N/A

APPL-NO: JP04269238

APPL-DATE: September 11, 1992

INT-CL (IPC): B65B057/02

US-CL-CURRENT: 53/53

ABSTRACT:

PURPOSE: To automatically detect defective
bonding of packing of a flap part

which can not be differentiated from good one by visual inspection by providing a delivery device for delivering a defective produce from a conveyor based on a defect detection signal of a photoelectric sensor.

CONSTITUTION: A product 5 sent from a packing machine is transferred onto a conveyor 1, while it is allowed to run under the control of a guide 4 and sent onto a delivery board 20 of an inspection unit A, where the product 5 is detected by a photoelectric sensor, and a stopper 9 is lowered based on a signal that there is a product to stop the product 5 and at the same time air nozzles 7, 8 are actuated to blow compressed air against a flap of the product, thereby opening a flap part of defective bonding. And if it is an open flap part of a product of defective bonding, passages of light of photoelectric sensors 61, 62 are interrupted to detect defective bonding of the flap of the product. Detection signals 65, 66 of this detection are inputted into a computer 6 through amplifiers 63, 64 of the sensors 61, 62, whereby the output is sent to a solenoid valve 67 to actuate a delivery lever 10.

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PAT-NO: JP408278240A

DOCUMENT-IDENTIFIER: **JP 08278240 A**

TITLE: PIN-SAMPLE ADJUSTING
APPARATUS

PUBN-DATE: October 22, 1996

INVENTOR-INFORMATION:

NAME

UCHIDA, TAKAYUKI

ASANUMA, YOSHIRO

HIRAMA, ETSURO

ASSIGNEE-INFORMATION:

NAME

COUNTRY

NIPPON STEEL CORP

N/A

APPL-NO: JP07104605

APPL-DATE: April 6, 1995

INT-CL (IPC): G01N001/32, G01N001/28

ABSTRACT:

PURPOSE: To provide a pin-sample adjusting apparatus by which the reception, the fixed-size cutting operation, the polishing and

working operation and the discharge operation of a pin sample can be automated continuously.

CONSTITUTION: A pin-sample adjusting apparatus is provided with a polishing means 3 by which both ends of a frozen pin-shaped sample S is sandwiched and held and by which a scale stuck to its outer circumferential part is removed while the sample is being turned around its axial center, with a cutting means 4 by which the polished pin-shaped sample S is fed by a fixed size and by which a pin sample P in a prescribed length is sheared and cut, with a conveyance means 5 by which the pin-shaped sample S is conveyed sequentially to the polishing means 3 and the cutting means 4 and with a discharge means 22 by which the worked pin sample P and a crop C are classified.

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DERWENT-ACC-NO: 1997-008266

DERWENT-WEEK: 199701

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TITLE: Pin like sample adjusting
device for gas analysis in
steel mfr. - has discharge
part which classifies pin
sample and crop part of pin
like sample after processing

PATENT-ASSIGNEE: NIPPON STEEL CORP[YAWA]

PRIORITY-DATA: 1995JP-0104605 (April 6, 1995)

PATENT-FAMILY:

PUB-NO	PAGES	PUB-DATE
LANGUAGE		MAIN-IPC
<u>JP 08278240 A</u>		October 22, 1996
N/A	009	G01N 001/32

APPLICATION-DATA:

PUB-NO	APPL-DESCRIPTOR	APPL-NO
	APPL-DATE	
JP 08278240A	N/A	
1995JP-0104605	April 6, 1995	

INT-CL (IPC): G01N001/28, G01N001/32

ABSTRACTED-PUB-NO: JP 08278240A

BASIC-ABSTRACT:

The device uses a sample set board (2) on which both ends of a pin like sample (S) are supported in the state of freezing. A polishing part (3) is rotated along periphery of axial centre of the sample, so that the scale adhered to the periphery of the sample is removed. A cutting part (4) feeds the pin like sample of a constant length and carries out cutting of a pin sample of predetermined length by shear from the pin like sample.

A conveyance part (5) conveys the pin like sample to the polishing part and cutting part, in order. A discharge part (22) is provided which classifies the pin sample and crop part (C) of the pin like sample after processing.

USE/ADVANTAGE - For hydrogen analysis in steel mfr process. Performs analysis preprocessing uniformly and quickly.

CHOSEN-DRAWING: Dwg.1/5

DERWENT-CLASS: J04 M24 S03

CPI-CODES: J04-B01; M24-A06;

EPI-CODES: S03-E13D;

DERWENT-ACC-NO: 1982-70439E

DERWENT-WEEK: 198234

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TITLE: Tube made from metal and
plastics laminate - is
fabricated using high
frequency or ultrasonic welding and
rolling of longitudinal seam

INVENTOR: SANDER, E

PATENT-ASSIGNEE: AUTOMATION INDUSTRI SA[AUTI]

PRIORITY-DATA: 1981DE-3105146 (February 12, 1981)

PATENT-FAMILY:

PUB-NO	PAGES	PUB-DATE
LANGUAGE		MAIN-IPC
DE 3105146 A		August 19, 1982
N/A	020	N/A
DE 3105146 C		July 14, 1983
N/A	000	N/A
DE 3169593 G		May 2, 1985
N/A	000	N/A
EP 58245 A		August 25, 1982
G	000	N/A
EP 58245 B		March 27, 1985
G	000	N/A
HU 26105 T		September 28, 1983
N/A	000	N/A
JP 57135123 A		August 20, 1982
N/A	000	N/A
<u>JP 88000218 B</u>		January 6, 1988

N/A	000	N/A
SU 1228780 A		April 30, 1986
N/A	000	N/A

DESIGNATED-STATES: CH DE FR GB IT LI CH DE FR GB IT
LI

CITED-DOCUMENTS: DE 1479930; DE 1779266 ; DE
2015747 ; DE 2125440 ; DE 2166791
; DE 2339707 ; DE 2643089 ; DE 2849239 ; DE 8103868
; US 3901749

APPLICATION-DATA:

PUB-NO	APPL-DESCRIPTOR	APPL-
NO	APPL-DATE	
EP 58245A	N/A	
1981EP-0109406	October 30, 1981	
JP 57135123A	N/A	
1981JP-0181682	November 11, 1981	
SU 1228780A	N/A	
1982SU-3388087	February 11, 1982	

INT-CL (IPC): B21C037/14, B29C027/04 ,
B29C053/38 , B29C065/04 ,
B29D023/10 , B29K105/22 , B29L009/00 ,
B29L023/22

ABSTRACTED-PUB-NO: DE 3105146A

BASIC-ABSTRACT:

Method is described of continuously producing
endless deformable tubes from a
laminated foil composed of a metal inner layer and
plastics outer layer. The

foil is bent so that its longitudinal edges overlap to form a seam, before shaping it to a tube and passing it through a high-frequency or ultrasonic welding (sealing device). While passing through this sealing device, the overlapping edges are only bonded together and the fully sealed seam is then formed later by passing between a pair of rollers.

Pref., the distance between the point where the bonding takes place and the point where the plastics material is thoroughly sealed is adjustable. A pair of endless belts is used to propel the tube forwards.

By only bonding the overlapping edges together initially, no pressure needs to be exerted in this zone and the friction problems are thereby considerably reduced. By rolling the overlapping zone the form of the seam can be chosen as desired and round, properly made tubes can be obtd.

ABSTRACTED-PUB-NO: DE 3105146C

EQUIVALENT-ABSTRACTS:

Method is described of continuously producing endless deformable tubes from a laminated foil composed of a metal inner layer and plastics outer layer. The foil is bent so that its longitudinal edges overlap to form a seam, before shaping it to a tube and passing it through a high-frequency or ultrasonic

welding (sealing device). While passing through this sealing device, the overlapping edges are only bonded together and the fully sealed seam is then formed later by passing between a pair of rollers.

Pref., the distance between the point where the bonding takes place and the point where the plastics material is thoroughly sealed is adjustable. A pair of endless belts is used to propel the tube forwards.

By only bonding the overlapping edges together initially, no pressure needs to be exerted in this zone and the friction problems are thereby considerably reduced. By rolling the overlapping zone the form of the seam can be chosen as desired and round, properly made tubes can be obtd.
(20pp)

EP 58245B

Method for the continuous production of endless, deformable tubes from a laminated foil strip with a metallic internal stratum and at least one external stratum of plastics material by forming a tube with overlapping edges, retaining together and welding the overlapping edges by the production of heat in the metallic internal stratum by means of a high frequency or ultrasonic welding device to soften the plastics material, followed by sealing of the seam by rolling pressure outside the welding device and

followed by cooling of the
seam, the tube feed being effected by driven belts,
characterised in that the
overlapping strips of the foil web are merely
adhesively joined in the welding
device and are rolled between rolls of a roll pair
into a sealed, formed seam.
(13pp)

DERWENT-CLASS: A35 M21 P51

CPI-CODES: A11-C01A; A12-H02; M21-C;